# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 3626 | (250/221,222.1).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/18 08:59 |
| L2 | 907 | (356/239.4,239.1).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/18 09:01 |
| L3 | 46 | 1 and bottle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/18 09:01 |
| L4 | 345 | 2 and bottle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/18 09:02 |
| L5 | 345 | 4 not (356/239.5,239.6) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/18 09:02 |
| L6 | 316 | 4 not (356/239.5,239.6.ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/18 09:02 |
| S1 | 988 | (250/573).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/16 07:06 |
| S7 | 2 | S1 and successive with threshold | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/16 07:07 |

| S8 | 58 | S1 and compar$5 with threshold | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/16 07:08 |
|---|---|---|---|---|---|---|
| S78 | 2 | S77 and (source light) near2 immers$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 12:48 |
| S79 | 2 | S77 and (source light) near2 submers$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 12:58 |
| S80 | 1012 | (250/573).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 13:01 |
| S81 | 11 | S80 and (source light) near2 immers$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 13:04 |
| S82 | 3 | S80 and (source light) near2 submers$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 13:05 |
| S83 | 248 | (356/249).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 13:03 |
| S84 | 1169 | (250/574).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 13:03 |

| S85 | 5 | S84 and (source light) near2 immers$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 13:04 |
| S86 | 1 | S84 and (source light) near2 submers$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 13:07 |
| S87 | 210 | (S80 S84) and bubble | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 13:56 |

# EAST Search History

| S88 | 111 | (US-20040252292-$ or US-20020137052-$ or US-20030195682-$ or US-20040195531-$ or US-20030222232-$ or US-20030178589-$ or US-20030141468-$ or US-20030107012-$ or US-20030001121-$ or US-20020190231-$ or US-20020158215-$ or US-20020036276-$ or US-20050127271-$ or US-20040000653-$ or US-20020148986-$ or US-20030127609-$ or US-20030136183-$ or US-20060061763-$).did. or (US-5331177-$ or US-6426703-$ or US-6096560-$ or US-4902137-$ or US-6556900-$ or US-6076504-$ or US-5721427-$ or US-5649012-$ or US-6281679-$ or US-5477408-$ or US-6972424-$ or US-6940083-$ or US-6876305-$ or US-6828913-$ or US-6806455-$ or US-6686992-$ or US-6680777-$ or US-6628396-$ or US-6785035-$ or US-6750468-$ or US-6750467-$ or US-6741345-$ or US-6531708-$ or US-6525334-$ or US-6509558-$ or US-6484564-$). did. or (US-6476910-$ or US-6281517-$ or US-6552355-$ or US-6969865-$ or US-6822216-$ or US-6410932-$ or US-6369378-$ or US-6653942-$ or US-6144022-$ or US-6043504-$ or US-5963225-$ or US-5939727-$ or US-5883378-$ or US-5672887-$ or US-6529751-$ or US-6118383-$ or US-RE37926-$ or US-6225910-$ or US-5539386-$ or US-5354999-$ or US-5206519-$ or US-4943735-$ or US-5170060-$ or US-5141309-$ or US-5357117-$ or US-5680111-$ or US-5559339-$). did. or (US-5068542-$ or US-4884065-$ or US-4854158-$ or US-4834533-$ or US-4816695-$ or US-4749871-$ or US-4203100-$ or US-4931774-$ or US-4740709-$ or US-4675661-$ or US-4830494-$ or US-6362887-$ or US-6377341-$ or US-4986659-$ or US-4659218-$ or US-6320176-$ or US-5969622-$ or US-5798701-$ or US-5673027-$ or US-5508521-$ or US-5477218-$ or US-4506161-$ or US-4260984-$ or US-4259592-$ or US-4481506-$ or US-4206456-$ or US-3945801-$) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/08/16 13:31 |

# EAST Search History

| S89 | 23 | S88 and (monitor screen) and bubble | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 13:34 |
|---|---|---|---|---|---|---|
| S91 | 10 | ("3819278" \| "3849002").PN. OR ("4740709").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/16 13:51 |
| S92 | 645 | (S80 S84) and (processor processing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 14:08 |
| S94 | 3006 | (light adj source laser led detect$4 sens$3 light adj receiv$4) near2 (immers$4 submers$4) with (liquid fluid water) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 14:14 |
| S95 | 35 | (light adj source laser led) near3 (immers$4 submers$4) and (detect$4 sens$3 light adj receiv$4) near3 (immers$4 submers$4) with (liquid fluid water) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 14:19 |
| S96 | 24 | ("3850525" \| "3954342" \| "4265535" \| "4363551" \| "4548500" \| "4616927" \| "4999514" \| "5129723" \| "5155549" \| "5235179" \| "5305073" \| "5350922" \| "5434667" \| "5638174").PN. OR ("6052184").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/16 14:16 |
| S98 | 27 | (light adj source laser led) near3 (immers$4 submers$4) and (detect$4 sens$3 light adj receiv$4) near3 (immers$4 submers$4) not S95 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 14:20 |
| S10 0 | 622 | (light adj source laser led) and (detect$4 sens$3 light adj receiv$4) near2 bubble with (liquid fluid water) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/16 15:14 |

| S15 4 | 187 | (US-20050127271-$ or US-20030107012-$ or US-20030001121-$ or US-20020190231-$ or US-20020148986-$ or US-20020036276-$ or US-20030136183-$ or US-20030195682-$ or US-20040252292-$ or US-20020137052-$ or US-20060208172-$ or US-20060000968-$ or US-20030210397-$ or US-20030063281-$ or US-20060061763-$ or US-20040000653-$ or US-20030222232-$ or US-20030178589-$ or US-20030141468-$ or US-20040195531-$ or US-20020158215-$ or US-20050040336-$ or US-20030127609-$).did. or (US-6275603-$ or US-5442446-$ or US-6556900-$ or US-6972424-$ or US-4387722-$ or US-3973725-$ or US-3899788-$ or US-4061431-$ or US-4885676-$ or US-6426703-$ or US-6096560-$ or US-4902137-$ or US-4605851-$ or US-6076504-$ or US-5721427-$ or US-5649012-$ or US-5477408-$ or US-6281679-$ or US-6315955-$ or US-6052184-$ or US-5601983-$ or US-5523560-$ or US-3528544-$ or US-3496369-$ or US-5864395-$ or US-7057718-$). did. or (US-6911653-$ or US-6882422-$ or US-5734467-$ or US-4853970-$ or US-4172524-$ or US-4050824-$ or US-3777169-$ or US-6067155-$ or US-5926268-$ or US-5591899-$ or US-5444237-$ or US-5072108-$ or US-5073708-$ or US-3942001-$ or US-4402612-$ or US-4241256-$ or US-4249075-$ or US-5361912-$ or US-4549205-$ or US-4376951-$ or US-4303342-$ or US-4079416-$ or US-3966332-$ or US-3958078-$ or US-3598907-$ or US-3576442-$ or US-6914672-$). did. or (US-6366358-$ or US-6055876-$ or US-3811567-$ or US-3765533-$ or US-4158625-$ or US-3830969-$ or US-4547067-$ or US-3963348-$ or US-4136930-$ or US-3956629-$ or US-6937339-$ or US-5119205-$ or US-4390782-$ or US-5694221-$ or US-4791287-$ or US-4672200-$ or US-4623252-$ or | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/10/12 08:20 |

| S155 | 28 | S154 and (change switch opposite) near direction | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/10/12 08:30 |
| S156 | 48 | S154 and (encoder (angle position) near (detect$4 determin$4 measur$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/10/12 08:31 |
| S157 | 724 | (250/223b).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/16 07:03 |
| S158 | 92 | (356/239.5).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/16 07:03 |
| S159 | 64 | (356/239.6).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/16 07:04 |
| S160 | 320 | (356/426).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/16 07:04 |
| S161 | 335 | (356/427).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/16 07:04 |
| S162 | 1048 | (250/573).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/16 07:06 |
| S163 | 2 | S162 and successive with threshold | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/16 07:07 |

| S16 4 | 66 | S162 and compar$5 with threshold | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/16 07:08 |
|---|---|---|---|---|---|---|
| S16 5 | 1188 | (250/574).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/16 07:09 |
| S16 6 | 0 | ("(69)and(particle)").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/16 07:10 |
| S16 7 | 943 | (S162 S165) and (particle) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/16 07:10 |
| S16 8 | 35 | (S162 S165) and (particle) and bottle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/16 07:10 |

| S16 9 | 188 | (US-20020036276-$ or US-20020137052-$ or US-20020148986-$ or US-20020158215-$ or US-20020190231-$ or US-20030001121-$ or US-20030063281-$ or US-20030107012-$ or US-20030127609-$ or US-20030136183-$ or US-20030210397-$ or US-20030222232-$ or US-20040000653-$ or US-20040195531-$ or US-20040252292-$ or US-20050040336-$ or US-20050127271-$ or US-20060000968-$ or US-20060061763-$ or US-20060208172-$ or US-20030141468-$ or US-20030178589-$ or US-20030195682-$).did. or (US-3496369-$ or US-3942001-$ or US-4675661-$ or US-4506161-$ or US-4095904-$ or US-4050824-$ or US-3958078-$ or US-3830969-$ or US-4241256-$ or US-3914058-$ or US-3528544-$ or US-4387722-$ or US-4303342-$ or US-4061431-$ or US-3740553-$ or US-3777169-$ or US-4209802-$ or US-4816695-$ or US-3598907-$ or US-4402612-$ or US-4547067-$ or US-4249075-$ or US-4749871-$ or US-3942897-$ or US-4481506-$ or US-4203100-$). did. or (US-4136930-$ or US-4671102-$ or US-4659218-$ or US-3900266-$ or US-4551627-$ or US-4549205-$ or US-4172524-$ or US-4158625-$ or US-4830494-$ or US-3963348-$ or US-6653942-$ or US-6680777-$ or US-6686992-$ or US-6741345-$ or US-3899788-$ or US-4943735-$ or US-4948956-$ or US-4986659-$ or US-5068542-$ or US-5072108-$ or US-5073708-$ or US-5085515-$ or US-5119205-$ or US-5141309-$ or US-5170060-$ or US-5206519-$ or US-5331177-$). did. or (US-5354999-$ or US-5357117-$ or US-5361912-$ or US-5442446-$ or US-5444237-$ or US-5477218-$ or US-5477408-$ or US-5508521-$ or US-5536935-$ or US-5539386-$ or US-5559339-$ or US-5601983-$ or US-5649012-$ or US-5680111-$ or US-5694221-$ or US-5721427-$ or US-5734467-$ or | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/10/16 07:12 |